

NATIONAL SEARCH REPORT

International Application No

PCT/EP 03/11224

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L25/02 H04L25/06 H04L25/03

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 196 06 102 A (SIEMENS AG) 21 August 1997 (1997-08-21) column 2, line 61-64 claims 1,2	1-3,5-14
A		4
A	EP 0 954 142 A (LUCENT TECHNOLOGIES INC) 3 November 1999 (1999-11-03) page 4, line 1 - line 5 page 4, line 25 - line 30	1-14
A	WO 01 31867 A (NOKIA) 3 May 2001 (2001-05-03) page 2, last paragraph -page 3, line 2	1-14

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

A document member of the same patent family

Date of the actual completion of the international search

6 February 2004

Date of mailing of the international search report

16/02/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Orozco Roura, C

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/11224

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 19606102	A	21-08-1997	DE 19606102 A1	21-08-1997
EP 0954142	A	03-11-1999	EP 0954142 A1	03-11-1999
			AU 3719499 A	16-11-1999
			WO 9956440 A1	04-11-1999
WO 0131867	A	03-05-2001	WO 0131867 A1	03-05-2001
			AU 1158300 A	08-05-2001
			EP 1224781 A1	24-07-2002